IN THE SPECIFICATION

Please amend the paragraph at page 14, line 10 to page 15, line 1, as follows:

Fig. 3 is a schematic diagram for illustrating a relation between input and output of the DSP controller 202 according to the first embodiment. The DSP controller 202 receives a request made by the system user from the operating unit 201 as input. The request is information like character mode, size, darkness of document, magnification, a number of [[MFT]] MTF filter etc. The DSP controller 202 makes a judgment 301 of validity of the information received. The judgment of validity means judging whether the information is valid information or invalid information. If the DSP controller 202 judges the information to be valid, the DSP controller 202 determines download 302 of the computer program and the data based on the valid information and determines a computer program number and a data number to be downloaded to the DSP 203 with that setting. Further, the DSP controller 202 outputs a download request 303 of the computer program and the data to the DSP 203, and ends the process. The DSP controller 202 is awaiting information from the operating unit 201 after the end of the process.

Please amend the paragraph at page 16, line 23 to page 17, line 15, as follows:

Fig. 5 is a schematic diagram for illustrating the relation between input and output of the DSP controller 202 and a process inside the DSP controller 202 according to the second embodiment. The DSP controller 202 receives a request made by the system user as input from the operating unit 201. The request is information like character mode, size, darkness of document, magnification, a number of [[MFT]] MTF filter etc. The DSP controller translates the information received (501) to the information that is recognized by the DSP controller 202. The DSP controller makes a judgment of validity (301), i.e. judges whether the information is valid information or invalid information. If the DSP controller 202 judges the

information to be valid, the DSP controller 202 determines download 302 of the computer

program and the data based on the valid information and determines a computer program

number and a data number to be downloaded to the DSP 203 with that setting. Further, the

DSP controller 202 makes a request for download (303) of the computer program and the

data to the DSP 203 and ends the process. The DSP controller 202 is awaiting information

from the operating unit 201 after the end of the process.

Please amend the paragraph at page 17, line 16 to page 17, line 25, as follows:

Fig. 6 is a schematic diagram for illustrating a relation between input and output a

download request unit 402 and a translating unit 401 of the DSP controller 202 according to

the second embodiment. The DSP 203 can realize image processing like filtering and random

dithering by downloading the computer program or the data. The download request unit 402

of the DSP controller 202 that makes the download request to the DSP 203, performs control

according to image processing like a random dithering 4021, a filtering ~~40022~~ <u>4022</u>, and

other processing 4023. By performing the control according to the image processing, when

there is a change, it is easy to deal with the change.

Please amend the paragraph at page 24, line 19 to page 25, line 11, as follows:

Fig. 11 is a schematic diagram for illustrating a relation between input and output of

the DSP controller 202 and a process status inside the DSP controller 202 according to the

third embodiment. The DSP controller 202 receives a request made by the system user from

the operating unit 201 as input. The request is information like character mode, size,

darkness of document, magnification, number of [[MFT]] <u>MTF</u> filter etc. The DSP controller

translates the information received (501) to the information that is recognized by the DSP

controller. Based on the information, the DSP controller makes a judgment of validity (301),

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i.e. judges whether the information is valid information or invalid information. If the DSP

controller 202 judges the information to be valid, the DSP controller determines download

(302) of the computer program and the data based on the valid information and determines a

computer program number and a data number to be downloaded to the DSP 203 with that

setting. Further, the DSP controller 202 makes a request for download (303) of the computer

program and the data to the DSP 203 and end the process. The DSP controller 202 is

awaiting information from the operating unit after the end of the process.

Please amend the paragraph at page 42, line 19 to page 43, line 9, as follows:

When the image forming apparatus is to be used as a printer image data from a

personal computer that is connected locally or via network is stored first in a memory. When

the image forming apparatus is to be used as a copying machine, image data that is read by

the scanner is to be stored first in the memory. When the image forming apparatus is to be

used as a facsimile, image data that is transferred by using a communication line is to be

stored first in the memory. In the image forming apparatus, the data stored in the memory is

read and image process is performed. An image is formed based on the image data

processed. The image processing includes processes like shading correction, γ correction,

MTF correction, pseudo half tone process. In the image forming apparatus [[MPF]] MFP, the

image processing unit IPU 49 performs function of an apparatus for controlling image

processing. The image processing apparatus MFP according to the present embodiment is to

be connected to a network and to be used by a plurality of user simultaneously.

Please amend the paragraph at page 47, line 15 to page 48, line 6, as follows:

With such a configuration, the apparatus for controlling image processing 503

receives a request made by the system user from the main control software 502 via the

operating unit 30 as input. The request is information like process information, character

mode, size, darkness of document, magnification, a number of [[MFT]] MTF filter etc. From

the information received, the apparatus for controlling image processing 503 performs

management of one process request. Corresponding to the current request, the one process

request management unit 601 makes a request to convert external information 503-2 to the

interface protocol management unit 602 and converts the information of the operating units

30 to internal variables. The process is as shown by (1) in the sequence diagram in Fig. 23.

Conversion of external information to internal variable results in increase in processes.

However, the conversion prevents change in the apparatus for controlling image processing

503 due to effect of the external information on the process in the apparatus for controlling

image processing 503.